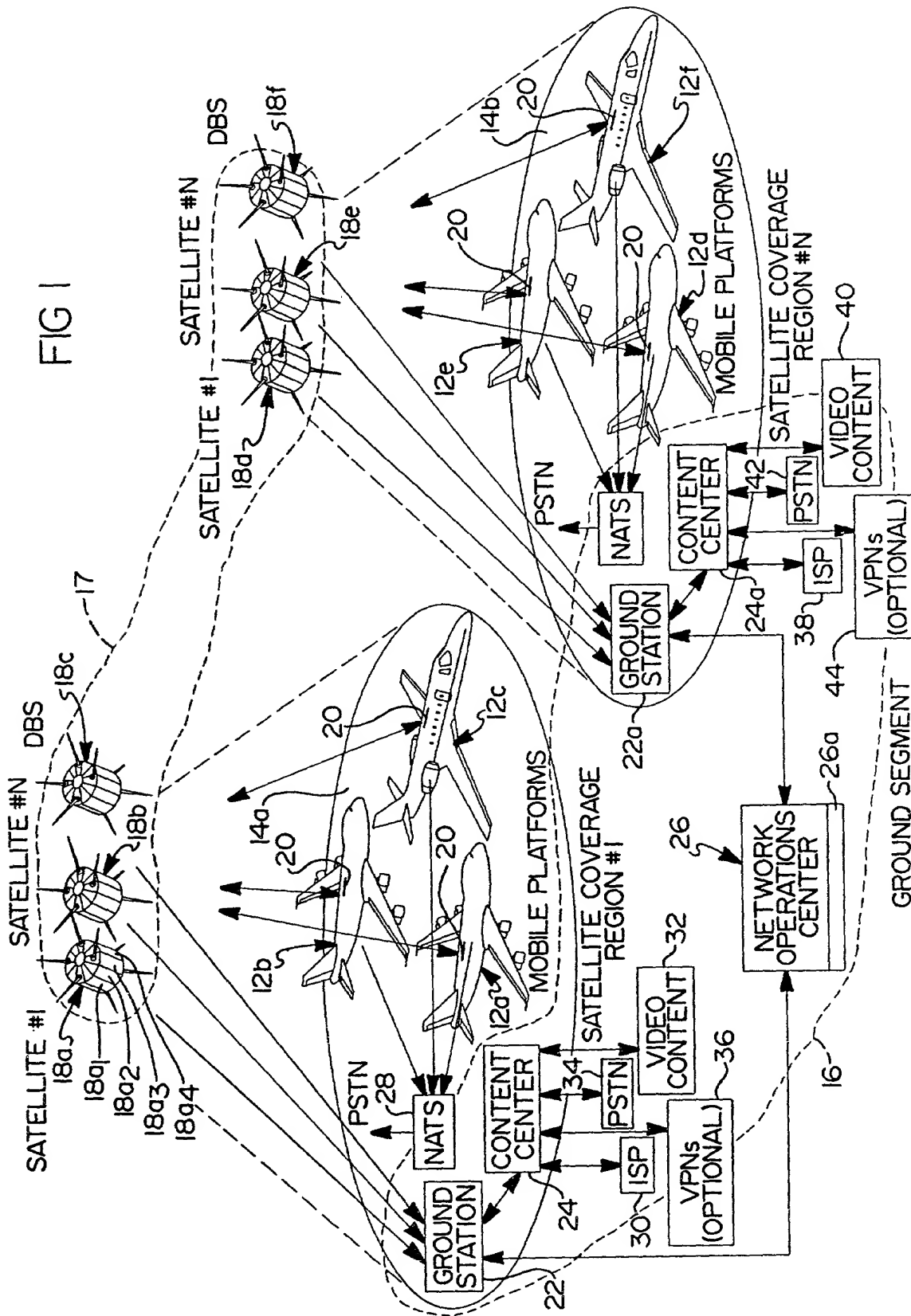


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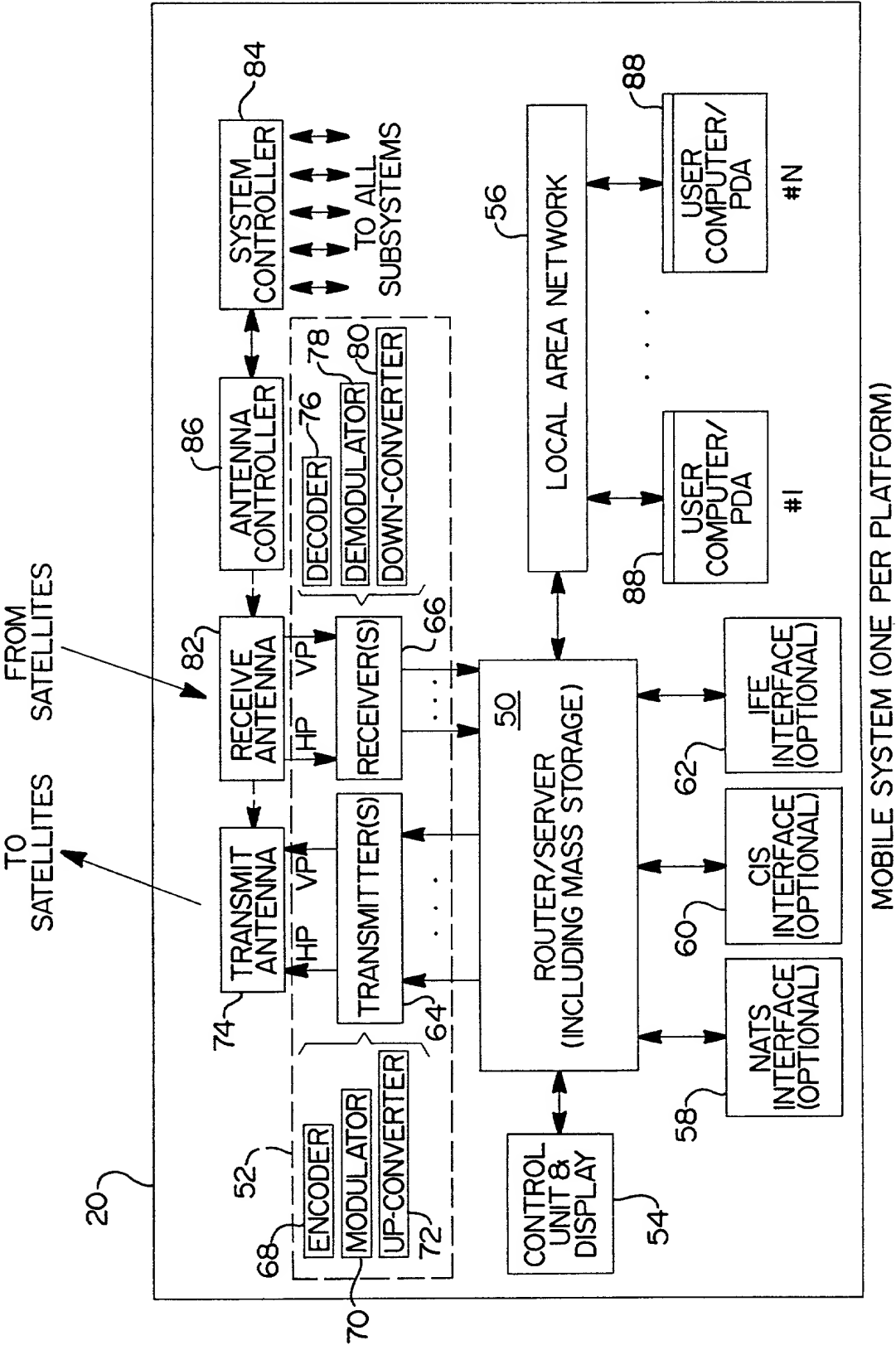
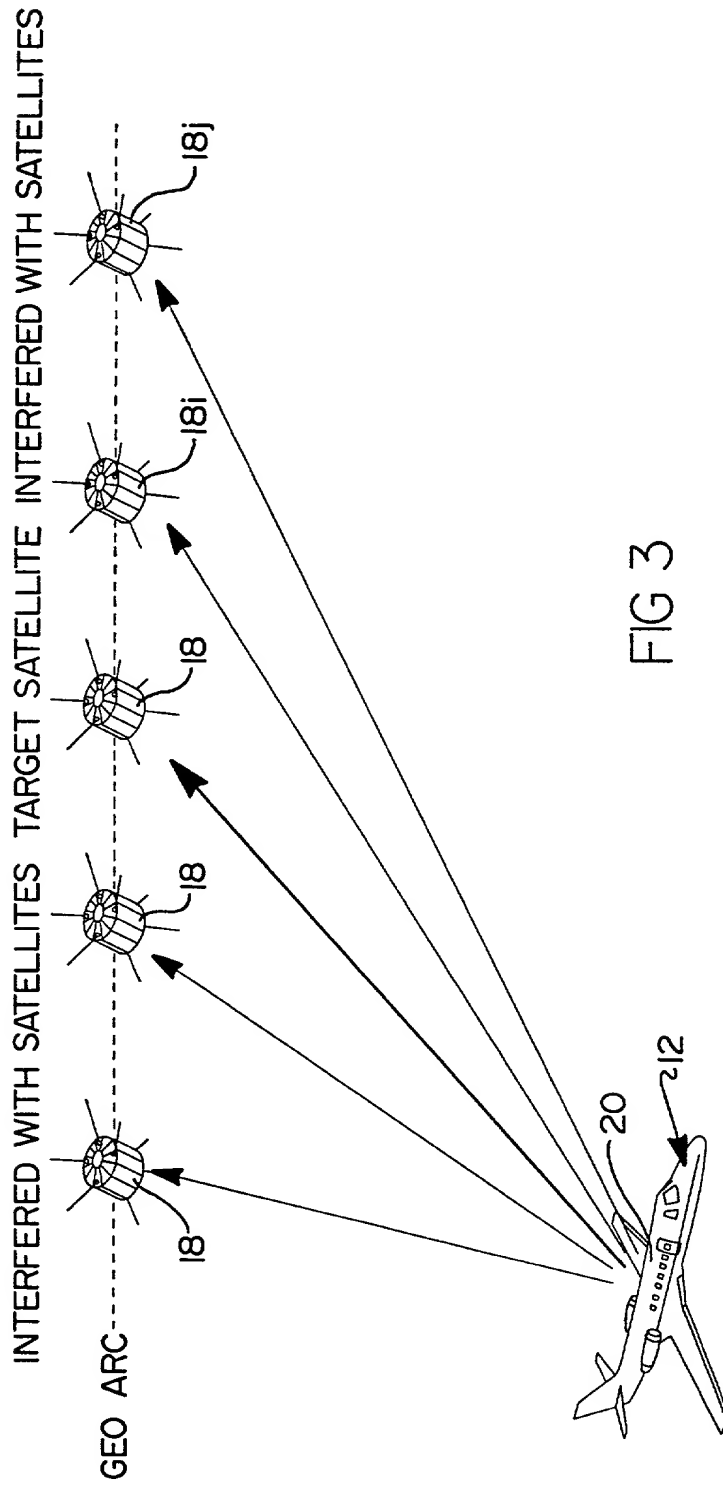


FIG 2



T00240" 50982/60

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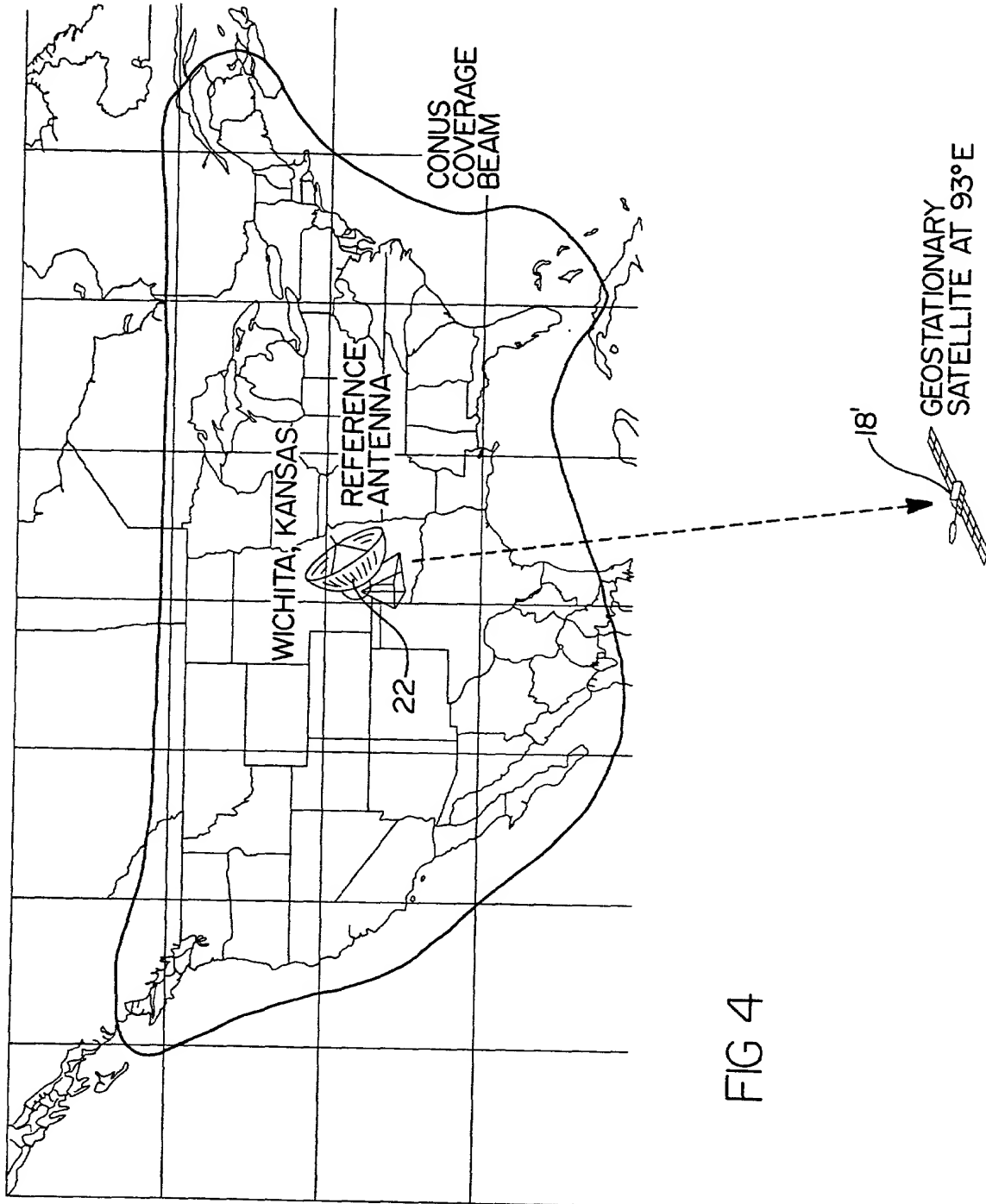


FIG 4

T00240 " 5098260

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FIG 5

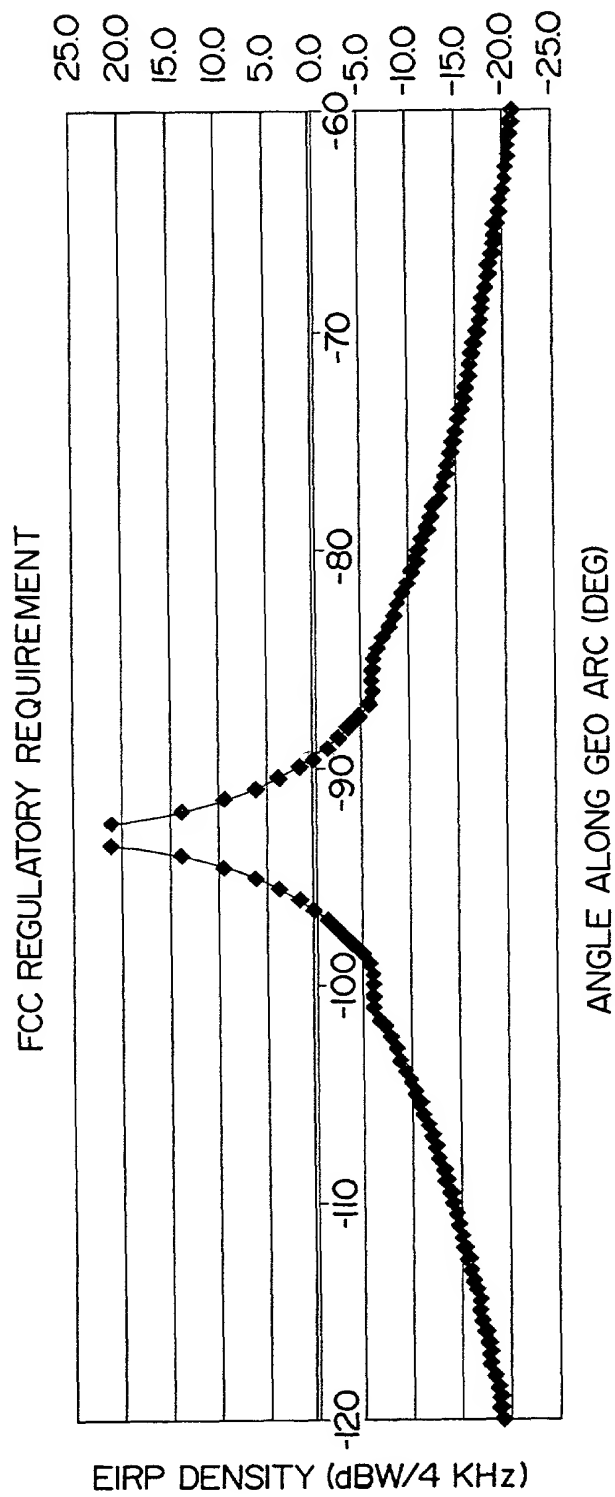
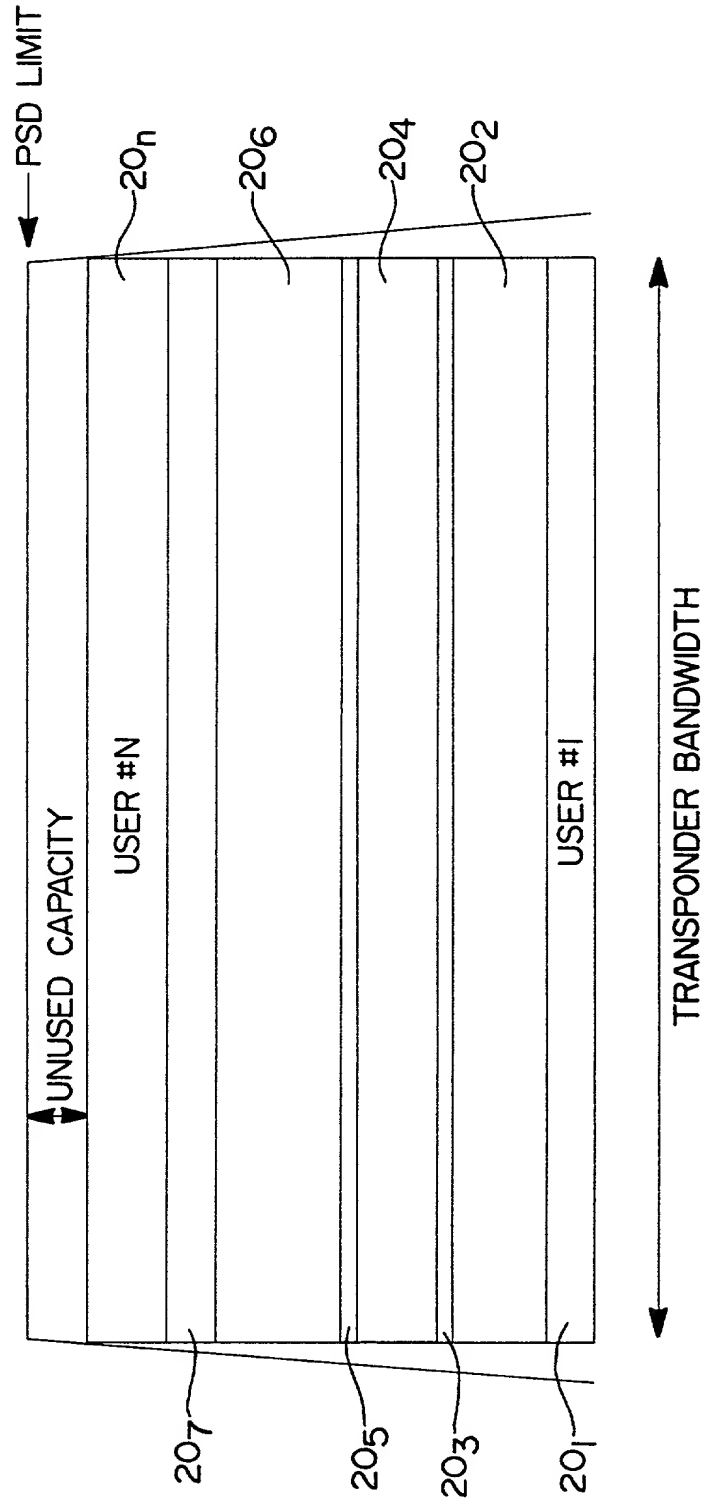
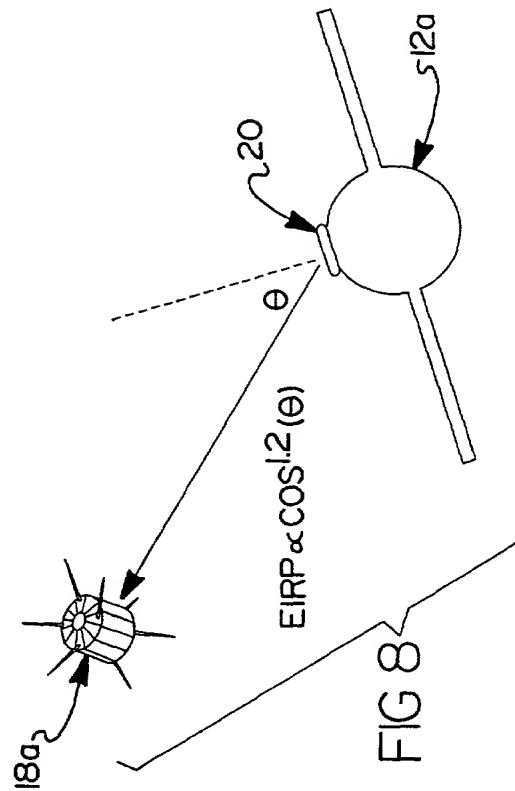
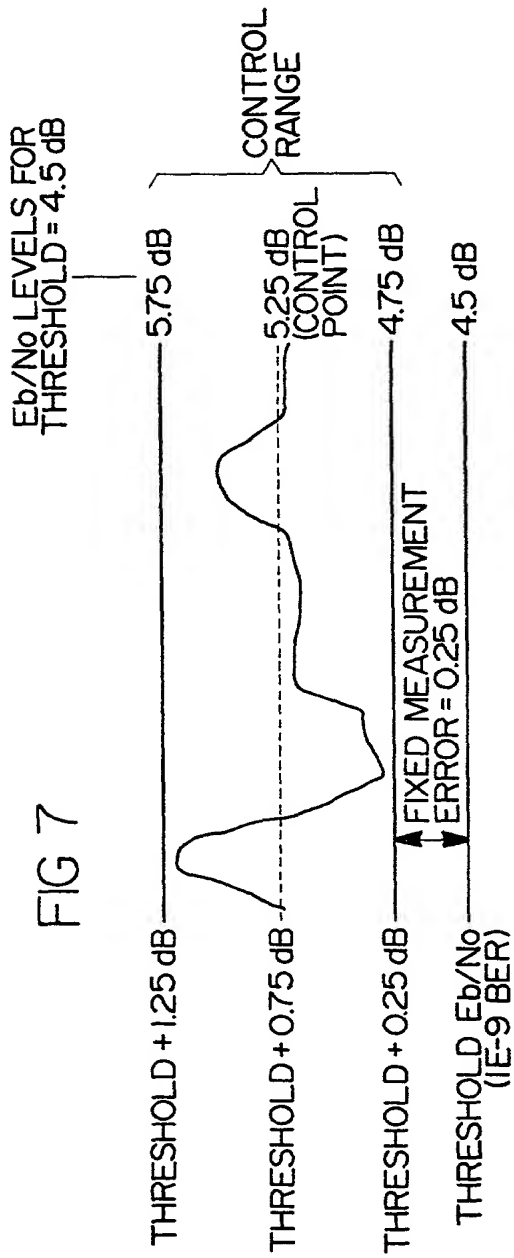


FIG 6

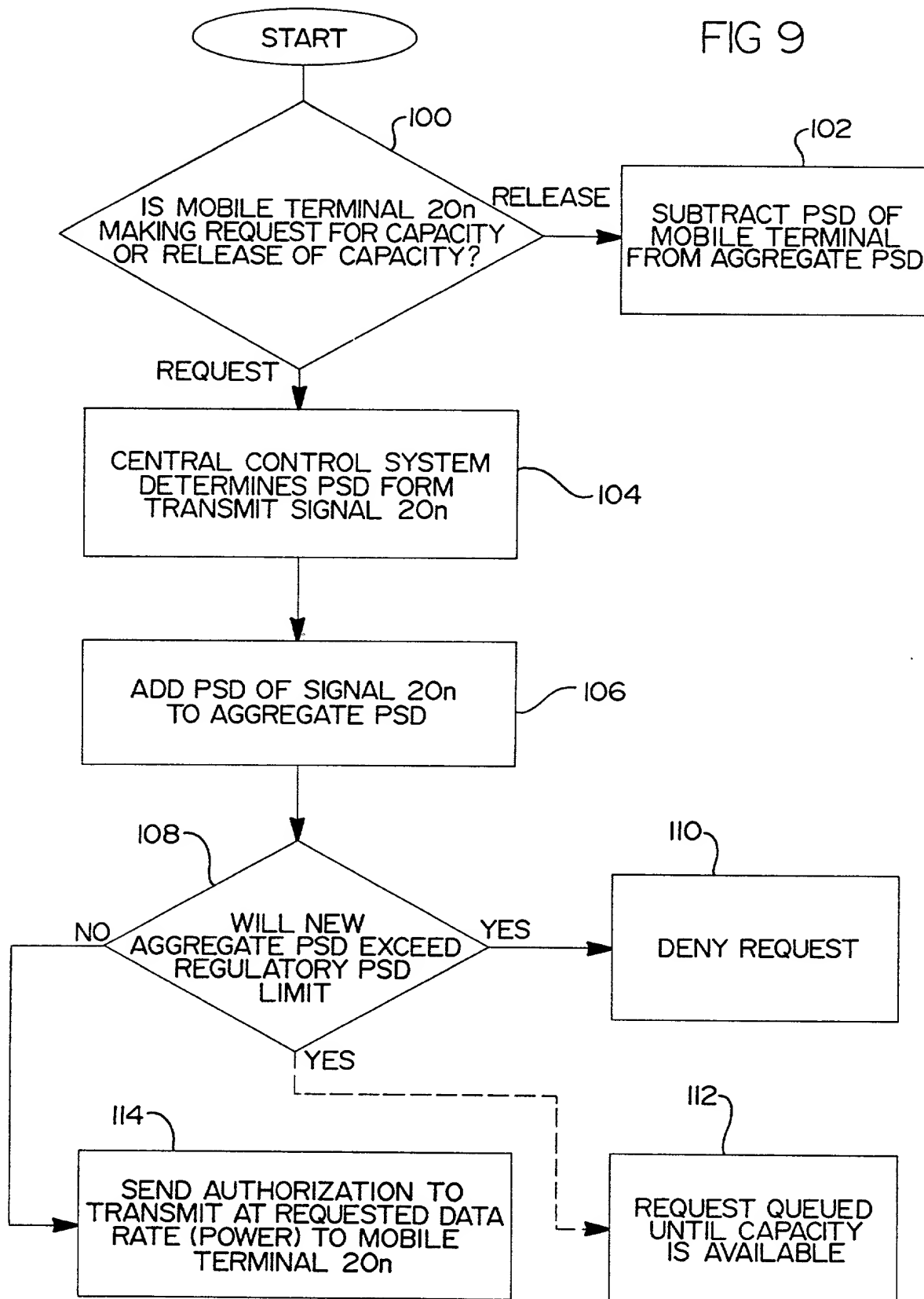


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FIG 9



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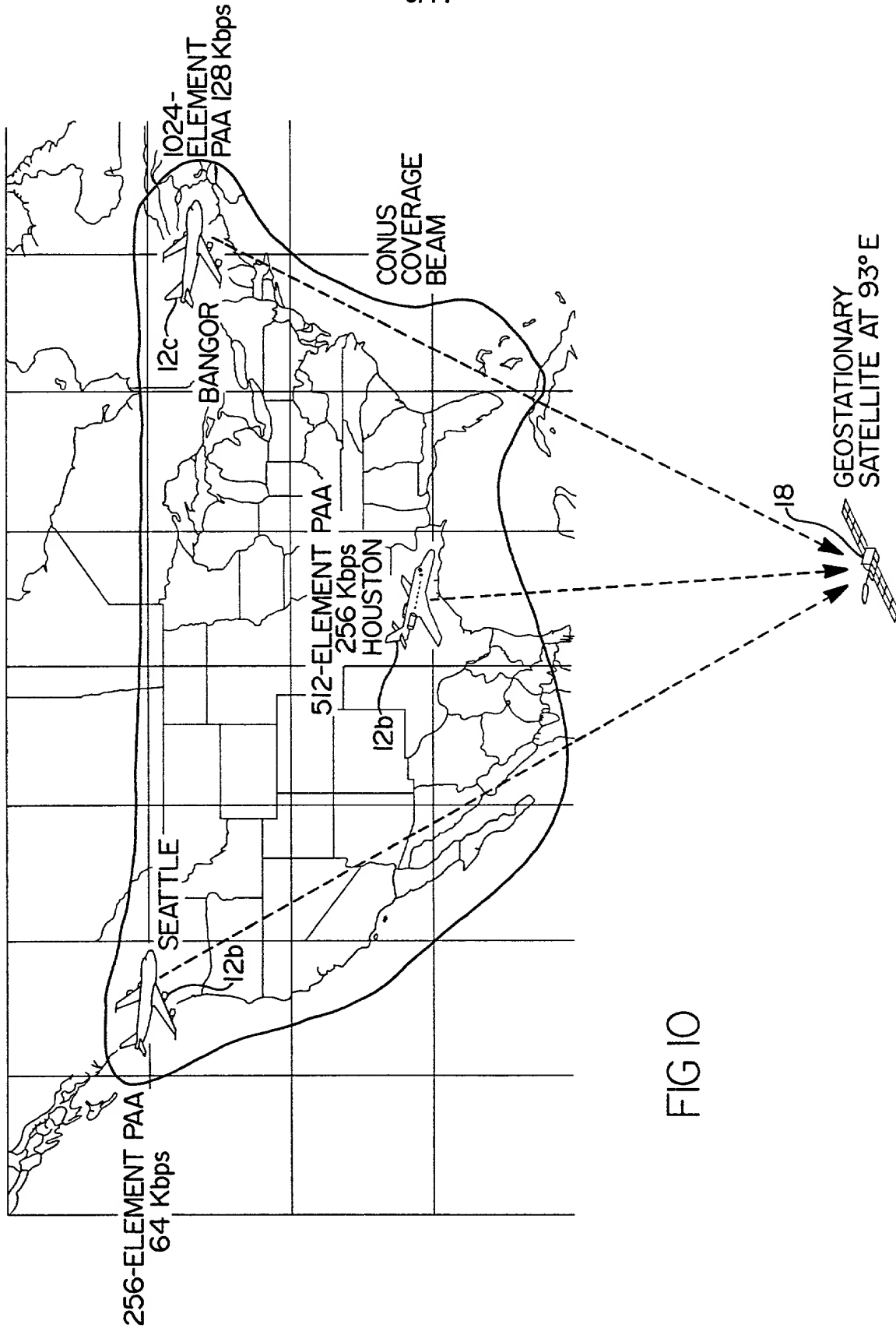


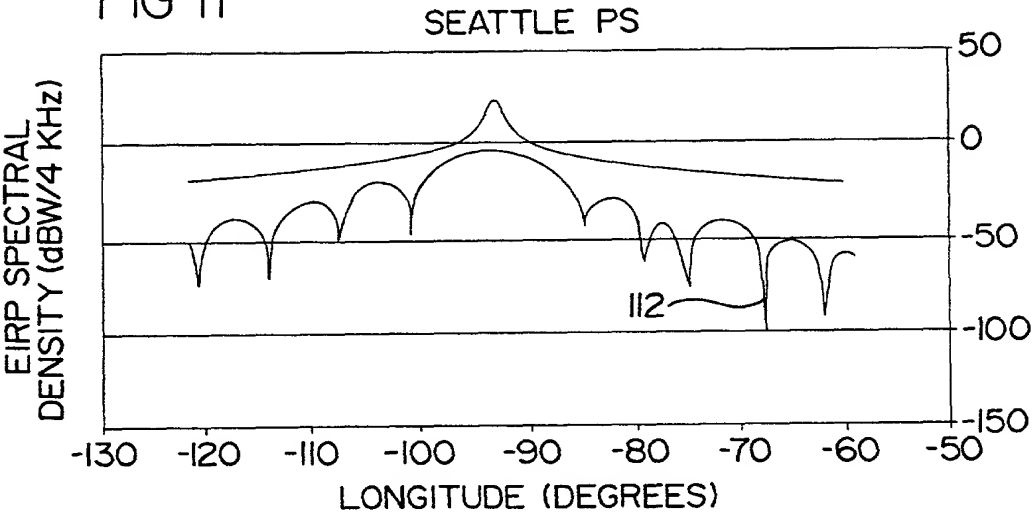
FIG 10

FIG 10

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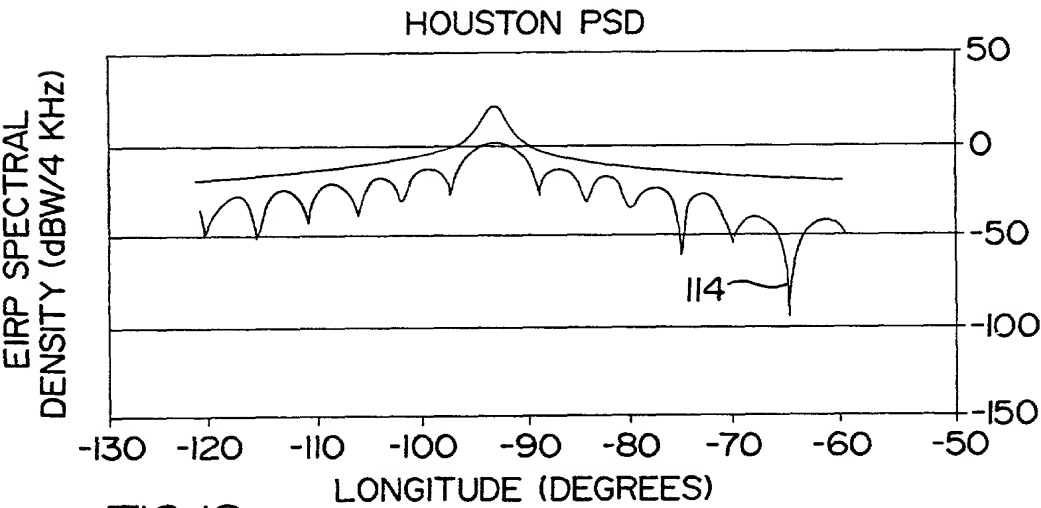
256 ELEMENT
PHASED ARRAY ANTENNA,
34 dBW, 64 Kbps, SEATTLE

FIG 11



512 ELEMENT
PHASED ARRAY ANTENNA,
39 dBW, 256 Kbps, HOUSTON

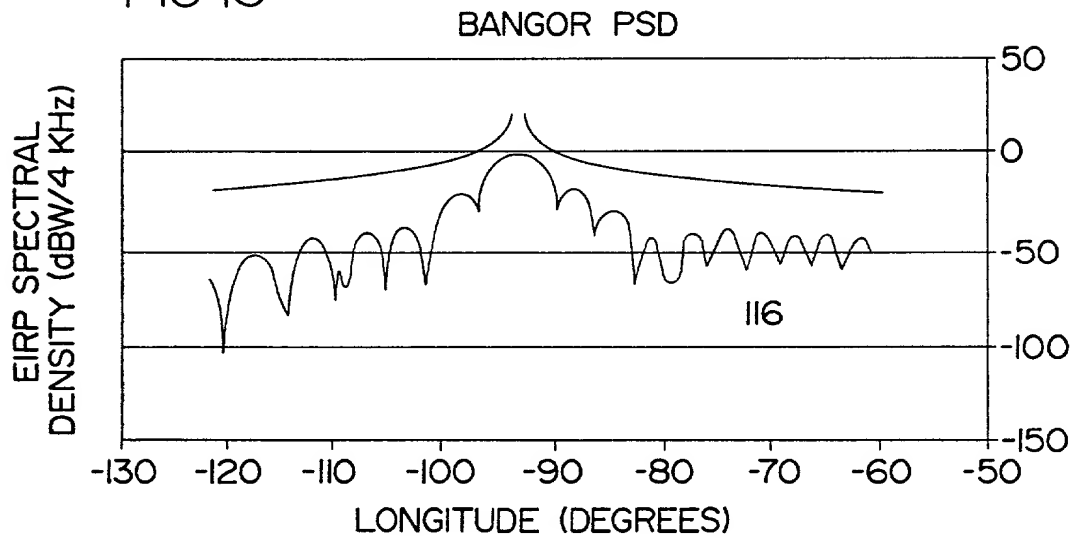
FIG 12



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1024 ELEMENT
PHASED ARRAY ANTENNA,
37 dBW, 128 Kbps, BANGOR

FIG 13



AGGREGATE PSD
FROM 3 DIFFERENT
USER TERMINALS

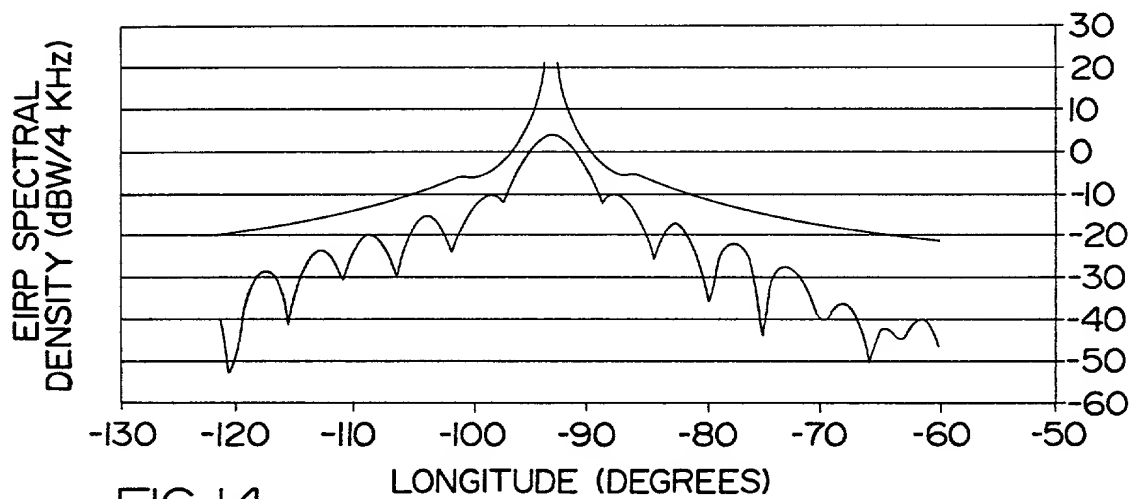


FIG 14